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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/707,331	12/05/2003	Bertil JONSSON	07589.0139.PCUS00	1330

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EXAMINER

LEWIS, TISHA D

ART UNIT	PAPER NUMBER
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3681

DATE MAILED: 11/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/707,331

Applicant(s)

JONSSON, BERTIL

Examiner

TISHA D. LEWIS

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 August 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

The following is a response to the amendment received on August 9, 2004 which has been entered.

Response to Amendment

Claims 1-8 are pending in the application. Claim 8 is newly added.

-The drawings were received on August 9, 2004. These drawings are approved.

-The 112 2nd rejection of claims 1-7 has been withdrawn due to applicant deleting the indefinite term "type" from claim 1.

Response to Arguments

Applicant's arguments, see pages 6-10, filed August 9, 2004, with respect to the rejection(s) of claim(s) 1-7 under 102(b) and 103(a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of applicant's argument that the compressor of Mendel is not considered an auxiliary unit and distinguishing what the auxiliary unit of the present invention is.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3-4, 7 and 8 are rejected under 35 U.S.C. 102(b) as being unpatentable by Stockton ('016). As to claims 1 and 8, Stockton discloses a gas turbine

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arrangement having a planetary transmission (206) with a fixed carrier (fixed to planet shaft 216), an arrangement for driving an auxiliary unit (226) wherein the auxiliary is **operatively** connected to the planet wheel shaft through gear (222).

As to claim 3, Stockton discloses pumps (226) and compressor (230) inside a housing of the transmission (10).

As to claim 4, Stockton discloses an oil pump (column 4, lines 10-11) as one of the auxiliaries.

As to claim 7, Stockton discloses a generator (200) generating electrical power.

Claims 1-3 and 6-8 are rejected under 35 U.S.C. 102(b) as being unpatentable by Kronogard ('375). As to claims 1 and 8, Kronogard discloses a gas turbine transmission plant having a planetary transmission with a fixed carrier (24 fixed to shaft 26), an arrangement for driving at least one auxiliary unit (22 is considered auxiliary, column 2, line 67 to column 3, line 1) wherein the unit is operatively connected to shaft 26 of the planet carrier.

As to claims 2 and 6, Kronogard discloses the auxiliary unit being connected directly to the shaft 24 by shaft 26.

As to claim 3, Kronogard discloses the auxiliary unit built into the transmission.

As to claim 7, Kronogard discloses the auxiliary unit being a generator (22) generating electrical power.

Claims 1, 2 and 6-8 are rejected under 35 U.S.C. 102(b) as being unpatentable by SU 1815368A1. As to claims 1 and 8, the SU reference discloses a gas turbine plant having a planetary transmission (6) with a fixed carrier (18 fixed to shaft 7), an

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arrangement for driving at least one auxiliary unit (9) wherein the unit is operatively connected to shaft 7 which carries the carrier for the planet wheel shafts.

As to claims 2 and 6, the SU reference discloses the auxiliary unit being connected directly to the planet wheel shafts by shaft 7.

As to claim 7, SU reference discloses the auxiliary unit being a generator (9) generating electrical power.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Stockton in view of Howes et al ('406). Stockton discloses different auxiliaries, but not an oil separator.

Howes et al discloses a gas turbine arrangement having a planetary transmission (504) running an oil pump (237) and an oil separator (791).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the auxiliary unit of Stockton with an oil separator in view of Howes et al to provide oil under pressure to the gas turbine or separate clean and dirty oil for re-lubrication of the gas turbine.

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Claims 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kronogard in view of Howes et al ('406). Kronogard discloses an auxiliary unit, but not in the form of an oil pump or oil separator as claimed.

Howes et al discloses a gas turbine arrangement having a planetary transmission (504) running an oil pump (237) and an oil separator (791).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the auxiliary unit of Kronogard with an oil pump or separator in view of Howes et al to provide oil under pressure to the gas turbine or separate clean and dirty oil for re-lubrication of the gas turbine.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over the SU reference.

The SU reference discloses the auxiliary unit mounted to the transmission, but not built into the transmission as claimed.

It would have been an obvious design choice to a person of ordinary skill in the art at the time the invention was made to build the auxiliary unit of the SU reference into the transmission casing to reduce axial length of the arrangement, since applicant in the specification (page 7, paragraph [0018]) suggest that the auxiliary unit can be built inside the transmission or other auxiliary units can be mounted outside the transmission.

Claims 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over the SU reference in view of Howes et al ('406). The SU reference discloses an auxiliary unit, but not in the form of an oil pump or oil separator as claimed.

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Howes et al discloses a gas turbine arrangement having a planetary transmission (504) running an oil pump (237) and an oil separator (791).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the auxiliary unit of the SU reference with an oil pump or separator in view of Howes et al to provide oil under pressure to the gas turbine or separate clean and dirty oil for re-lubrication of the gas turbine.

FACSIMILE TRANSMISSION

Submission of your response by facsimile transmission is encouraged. Group 3600's facsimile number is **(703) 872-9326 before final and 703-872-9327 after final**. Recognizing the fact that reducing cycle time in the processing and examination of patent applications will effectively increase a patent's term, it is to your benefit to submit responses by facsimile transmission whenever permissible. Such submission will place the response directly in our examining group's hands and will eliminate Post Office processing and delivery time as well as the PTO's mail room processing and delivery time. For a complete list of correspondence not permitted by facsimile transmission, see MPEP 502.01. In general, most responses and/or amendments not requiring a fee, as well as those requiring a fee but charging such fee to a deposit account, can be submitted by facsimile transmission. Responses requiring a fee which applicant is paying by check **should not be** submitting by facsimile transmission separately from the check.

Responses submitted by facsimile transmission should include a Certificate of Transmission (MPEP 512). The following is an example of the format the certification might take:

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Typed or printed name of person signing this certificate:

(Signature)

If your response is submitted by facsimile transmission, you are hereby reminded that the original should be retained as evidence of authenticity (37 CFR 1.4 and MPEP 502.02). Please do not separately mail the original or another copy unless required by the Patent and Trademark Office. Submission of the original response or a follow-up copy of the response after your response has been transmitted by facsimile will only

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cause further unnecessary delays in the processing of your application; duplicate responses where fees are charged to a deposit account may result in those fees being charged twice.


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TISHA D. LEWIS whose telephone number is 703-305-0921. The examiner can normally be reached on M-Thur 8 AM TO 3 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, CHARLES A. MARMOR can be reached on 703-308-0830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tdl
November 1, 2004


TISHA LEWIS
PRIMARY EXAMINER
AU 3681 11/1/04